

CLAIMS

[Claim 1]

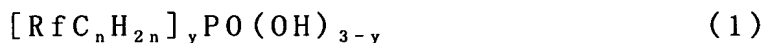
A sunscreen cosmetic, characterized in that
5 it includes the following components (a) through
(c):

(a) hydrophobic zinc oxide powder, manufactured
through a method in which a zinc oxide powder is
dispersed in a solvent, and

10 the surface of the zinc oxide powder is treated
with a phosphate ester having a perfluoroalkyl
shown by general formula (1),
and an ester shown by general formula (2) of a
copolymer of 30,000-300,000 MW of 2-ethylhexyl
15 acrylate, methacrylate, methyl methacrylate, or
butyl methacrylate and a methylpolysiloxane some
of whose methyl groups have been substituted with
a hydroxypropyl group, to produce the hydrophobic
zinc oxide powder,

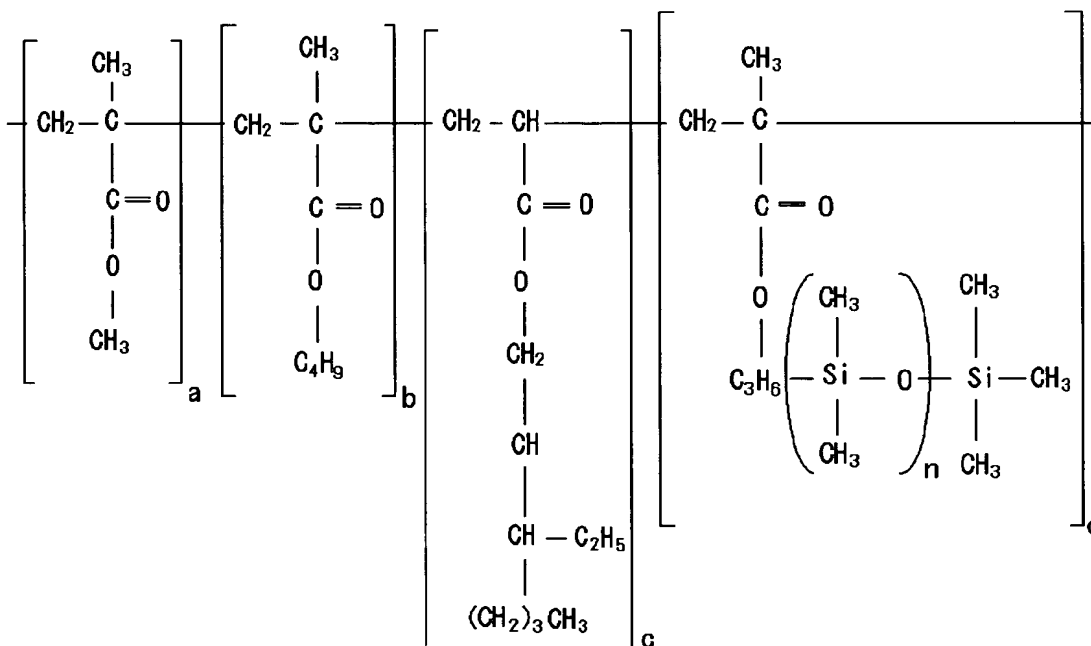
20 wherein the hydrophobic zinc oxide powder is
manufactured using microparticle zinc oxide powder
having a first-order particle diameter of 1 μ m or
less, and the amount of solvent that is used is
within a range of 50 to 90 wt% of the zinc oxide
25 powder;

[Chemical formula 1]



(wherein Rf is a perfluoroalkyl group or a perfluorooxyalkyl group having 3-21 carbons that is a straight chain or branched and is a single chain length or a composite chain length; n is an integer from 1-12, and y is a number from 1-3)

[Chemical formula 2]



(2)

(wherein n is an integer, a, b, c, and d are mole ratios within the copolymer and are not 0, and d is at least 40 mole percent but not more than 60 mole percent)

(b) Volatile Silicone

(c) C6 to C12 Alkyl Trimethicone (1-10 wt% of the total weight)

5 [Claim 2]

The sunscreen cosmetic according to claim 1, wherein the component (c) alkyl trimethicone having 6 to 12 carbons is 12.5 to 40 wt% of the amount of component (b) volatile silicone that is
10 included.

[Claim 3]

The water-in-oil emulsified sunscreen cosmetic according to claim 1 or 2, further comprising (d) a lipophilic active material, and
15 (e) water.

[Claim 4]

The water-in-oil emulsified sunscreen cosmetic according to any one of claims 1 to 3, further comprising (f) an organic modified clay
20 material.

[Claim 5]

The sunscreen cosmetic according to any one of claims 1 to 4, wherein the sunscreen cosmetic substantially does not include (g) nonvolatile
25 non-polar oil and/or nonvolatile silicone oil, and

if it does include these, it includes them at not more than 2 wt% of the total weight of the sunscreen cosmetic.

[Claim 6]

- 5 The sunscreen cosmetic according to any one of claims 1 to 5, wherein an amount of oil that is absorbed by the hydrophobic zinc oxide powder is 10 to 40 mL/100 g.